

# e-like Background Studies

## **What has been done so far:**

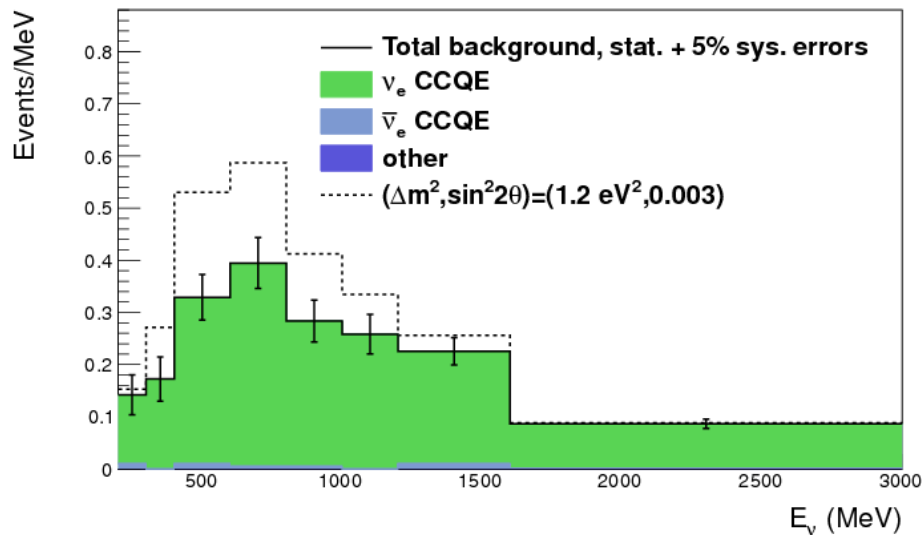
- technote docdb #2149 includes predictions & plots from this summer!

## **Plans for the fall:**

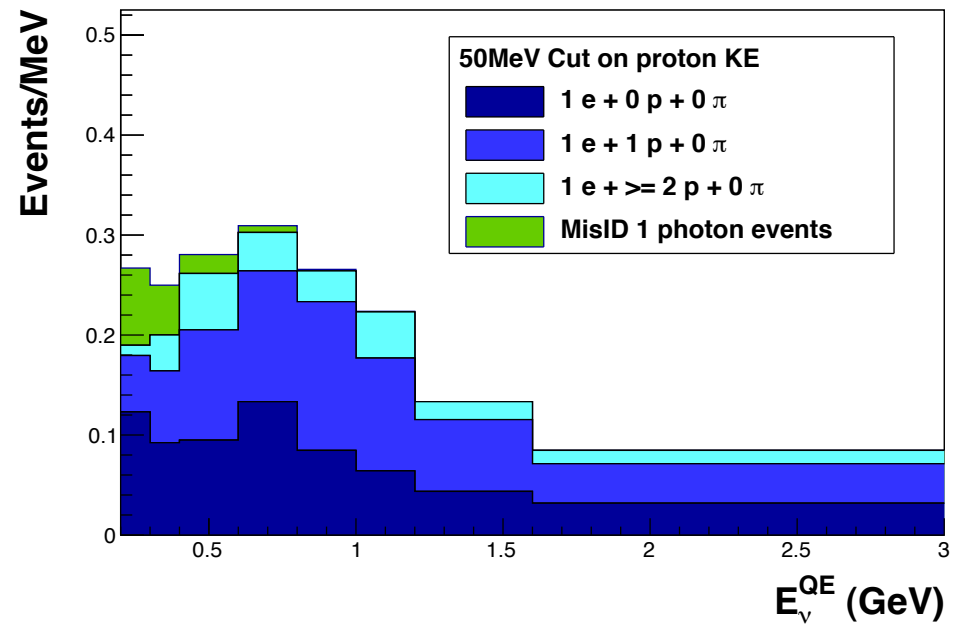
- Fold in CID and MID efficiencies from hand-scan results by reweighting
- Add statistical errors
- Add signal prediction after repeating study for fullosc sample
- Repeat e-like background study with new frozen release (for 3 generators: GENIE, NUANCE, and NuWro)
- Additional improvements? Suggestions welcome

# Public physics plots on MicroBooNE webpage

- We propose to replace the current e-like background plot with a version of this plot from the technote (with signal prediction and stat errors added), and update it with the new frozen release soon



Plot currently on webpage



Plot from docdb #2149